132-

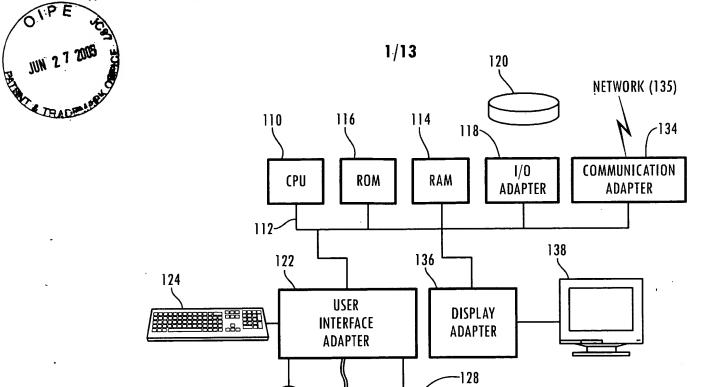
126

Attorney THOMAS F. LEBENS (Reg. No. 38221) Phone: 805-781-2865 Facsimile: 805-541-2802

Docket No. 68622 7236

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Dated: June 20, 2005



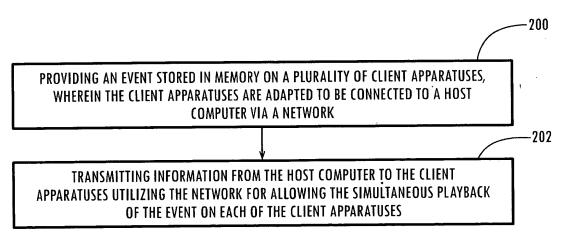
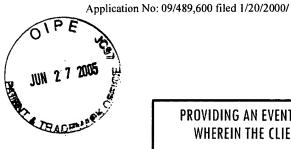


Fig. 2

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A

MULTIMEDIA SYNCHRONIZATION FRAMEWORK Docket No. 68622 7236 Attorney THOMAS F. LEBENS (Reg. No. 38221) Phone: 805-781-2865 Facsimile: 805-541-2802

Dated: June 20, 2005



PROVIDING AN EVENT STORED IN MEMORY ON A PLURALITY OF CLIENT APPARATUSES,
WHEREIN THE CLIENT APPARATUSES ARE ADAPTED TO BE CONNECTED TO A HOST
COMPUTER VIA A NETWORK

302

STORING INFORMATION ON THE HOST COMPUTER FOR ALLOWING THE SIMULTANEOUS
PLAYBACK OF THE EVENT ON EACH OF THE CLIENT APPARATUSES

ALLOWING THE INFORMATION TO BE DOWNLOADED UTILIZING THE NETWORK FOR
PLAYBACK AFTER THE SIMULTANEOUS PLAYBACK

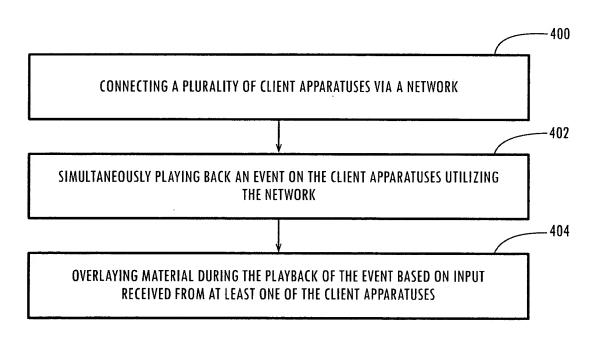


Fig. 4

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A MULTIMEDIA SYNCHRONIZATION FRAMEWORK

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500 3/13 CONNECTING A PLURALITY OF CLIENT APPARATUSES VIA A NETWORK, WHEREIN AN EVENT IS STORED IN MEMORY ON THE CLIENT APPARATUSES -502 SIMULTANEOUSLY PLAYING BACK THE EVENT ON THE CLIENT APPARATUSES UTILIZING THE NETWORK - 504 RECEIVING A REQUEST FROM ONE OF THE CLIENT APPARATUSES DURING THE SIMULTANEOUS PLAYBACK TO BE INCLUDED IN THE SYNCHRONIZED EVENT -506 TRANSMITTING INFORMATION TO THE REQUESTING CLIENT APPARATUS UTILIZING THE NETWORK FOR IDENTIFYING A LOCATION IN THE MEMORY WHERE THE EVENT IS CURRENTLY BEING PLAYED BACK SO AS TO ALLOW THE SIMULTANEOUS PLAYBACK OF THE EVENT ON THE REQUESTING CLIENT APPARATUS Fig. 5 600 CONNECTING A PLURALITY OF CLIENT APPARATUSES VIA A NETWORK 602

EMBEDDING AN APPLICATION PROGRAM ON A SITE ON THE NETWORK

REQUESTING INFORMATION FROM A SERVER ON THE NETWORK UTILIZING THE APPLICATION PROGRAM, WHEREIN THE INFORMATION RELATES TO AN EVENT TO BE PLAYED BACK SIMULTANEOUSLY ON THE CLIENT APPARATUSES

RECEIVING A SCRIPT FOR DISPLAYING THE INFORMATION

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A MULTIMEDIA SYNCHRONIZATION FRAMEWORK

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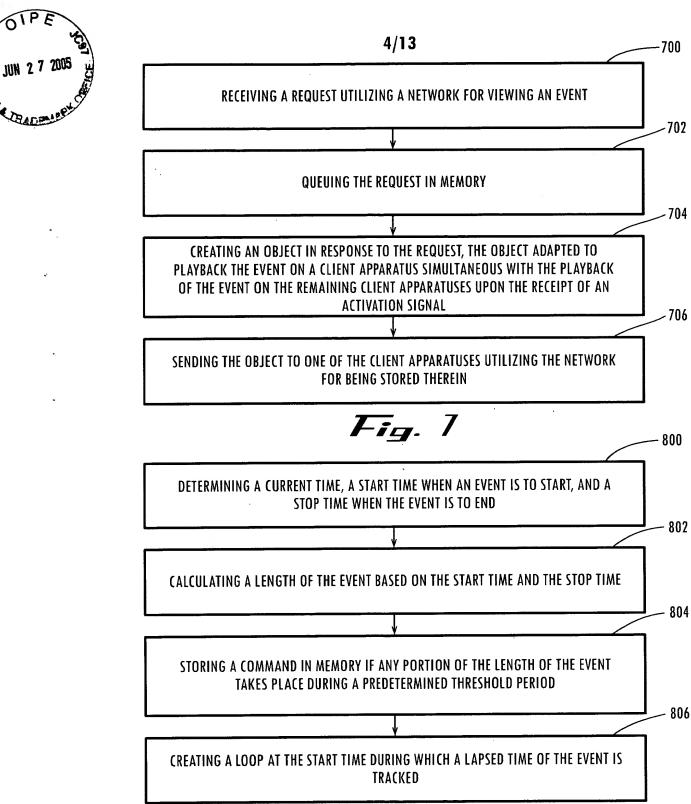


Fig. #

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A MULTIMEDIA SYNCHRONIZATION FRAMEWORK

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PROVIDING A PLURALITY OF EVENTS STORED IN MEMORY ON A PLURALITY OF CLIENT APPARATUSES, THE EVENTS EACH HAVING A UNIQUE IDENTIFIER ASSOCIATED THEREWITH AND STORED IN THE MEMORY, WHEREIN THE CLIENT APPARATUSES ARE ADAPTED TO BE COUPLED TO A HOST COMPUTER VIA A NETWORK

ASCERTAINING THE IDENTIFIER OF THE EVENT STORED IN THE MEMORY OF THE CLIENT APPARATUSES UTILIZING THE NETWORK

COMPARING THE IDENTIFIER WITH AN IDENTIFIER OF A SCHEDULED EVENT

BEGINNING THE PLAYBACK OF THE EVENT ON EACH OF THE CLIENT APPARATUSES IF THE COMPARISON RENDERS A MATCH

Fig. 9

LOOKING UP A COMMAND ASSOCIATED WITH THE IDENTIFIED TYPE OF THE PLAYBACK DEVICE

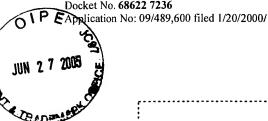
SENDING THE COMMAND TO THE CORRESPONDING CLIENT APPARATUS FOR BEGINNING THE PLAYBACK OF THE EVENT SIMULTANEOUSLY WITH THE PLAYBACK OF THE EVENT ON EACH OF THE REMAINING CLIENT APPARATUSES

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A

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6/13 Step 1: Create Layer Factory 2. Create Business Layer SQLJob Business_Layer.exe 1. Check Event 3. Create Components Layer Factory DBConnect (COM)

WEB SERVER DATABASE SERVER Fig. 11

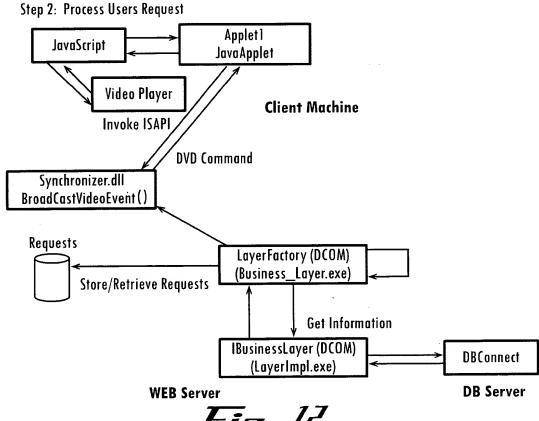


Fig. 12

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ThreadFunctor ⇔ m hEvent: HANDLE

- ⇔ m_tParam : void
- ◇start()
- ◇startWin()
- %handler()
- ◇stop()
- Othreadfunction()

isapithread

- napsink : std::map<std::string,layerSink * >;
- % request_vector : std::vector < request *>;
- ®>m_ifactory : CComPtr<|LayerFactory>
- %m_dcomserver : std::string
- ⇔ m mutex
- ◇addrequest()
- nocessrequest()
- %createfactory()
- ♦getBLayerInfo()

CSynchronizer Extension

- % m_pisapithread : isapithread
- ♦ TerminateExtension()
- ♦ Default()
- StroadcastVideoEvents()
- GetExtensionVersion()

- %sendTime()

layerSink

- n_requestqueue : std::vector<request *>
- m ilayer: IBusinessLayer*
- n_ipFactory: |LayerFactory*
- **%** m_Status : enum
- n auto: CComAutoCriticalSection
- %> m_cookie : DWORD
- no m_server : std::string
- oupdatetime()
- oendSession()
- sendCommand()
- createBusinessLayer()
- construct()
- addRequest()
- getBLayer()
- 🛇 clear()

factorySink

- % m pSink : layerSink *
- m_pprop : businessLayerProp
- ♦ construct()
- ◇ layerprop()
- notifyCreateLayer()

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A MULTIMEDIA SYNCHRONIZATION FRAMEWORK Attorney THOMAS F. LEBENS (Reg. No. 3822)

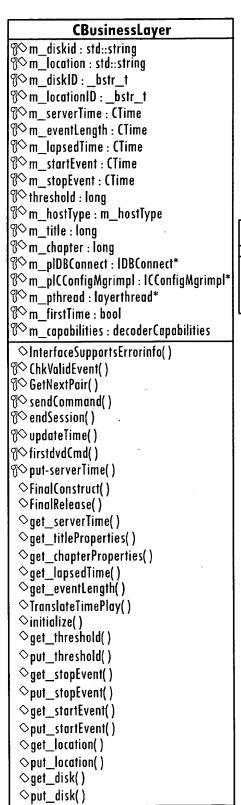
Docket No. 68622 7236

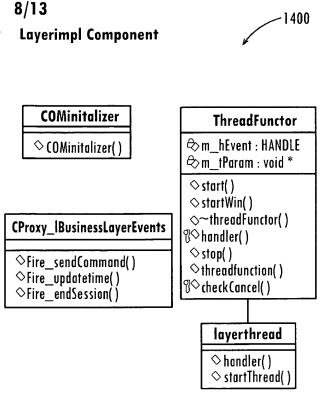
Application No: 09/489,600 filed 1/20/2000/

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Business Layer Component

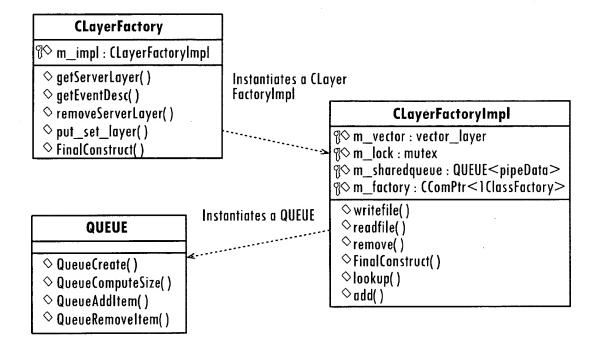


Fig. 15

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A MULTIMEDIA SYNCHRONIZATION FRAMEWORK

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Attorney THOMAS F. LEBENS (Reg. No. 38221) Phone: 805-781-2865 Facsimile: 805-541-2802

Dated: June 20, 2005



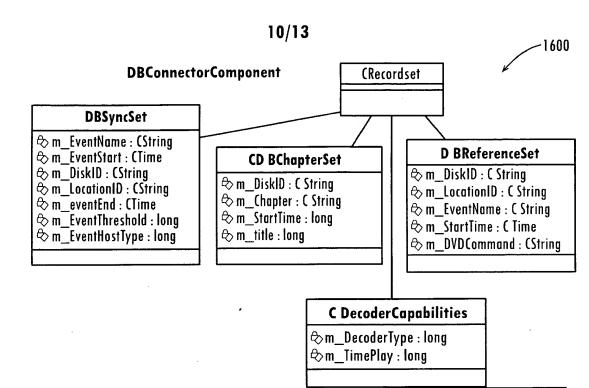


Fig. 16

C DBConnect ♦ FinalConstruct() get_NextChapter() ♦ get_ChapterCommand() ♦ chkEvent() ◇ put timeForCommand() ◇ qet_isTime() oqet commandStartTime() ♦ put commandStartTime() ◇ put_locationID() ⇔get_diskID() ◇ put_diskID() get_startEvent() ♦ put startEvent() oget_stopEvent() put stopEvent() oget_threshold() ◇ put_threshold() ♦ GetDVDCommand()

Getsin et al.; SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A SYNCHRONIZER COMPONENT IN A

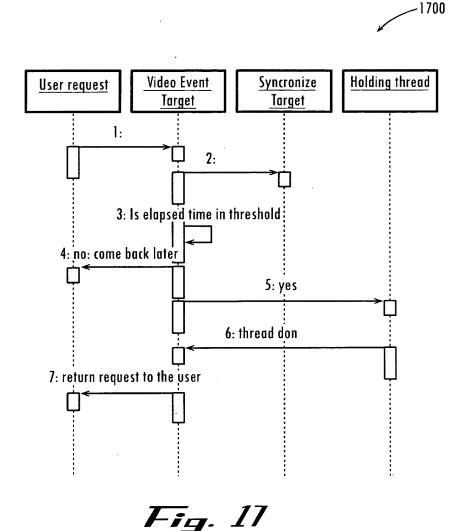
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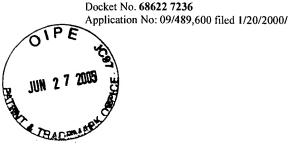


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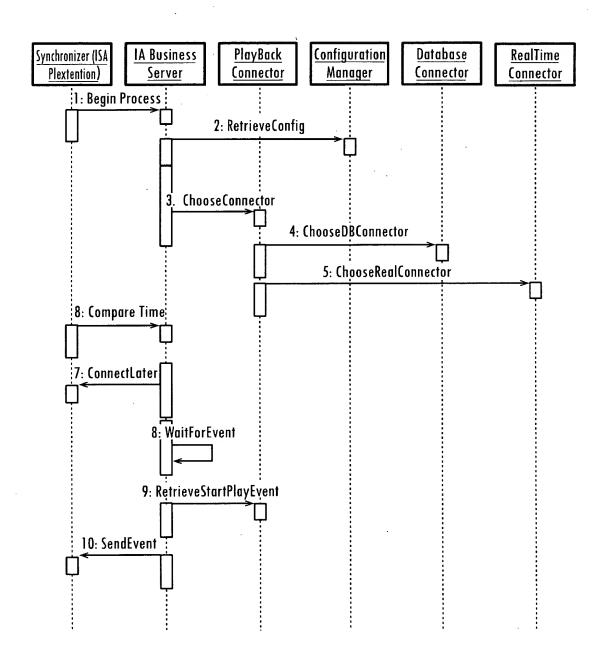


Fig. 18

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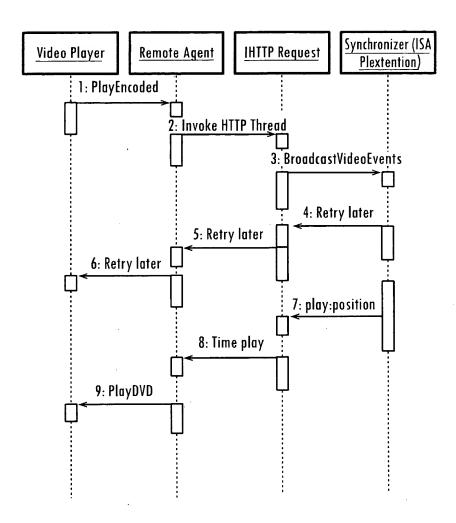


Fig. 19